LET'S GO AERO
Gear Management Solutions ™

V4 Four-Bike Carrier

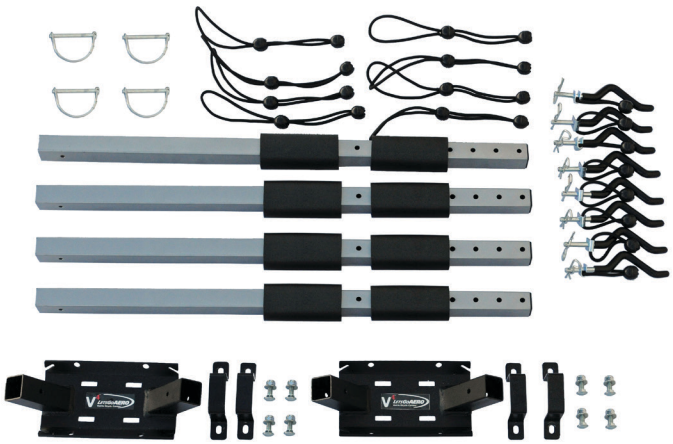
Part No. BVR086

User Manual

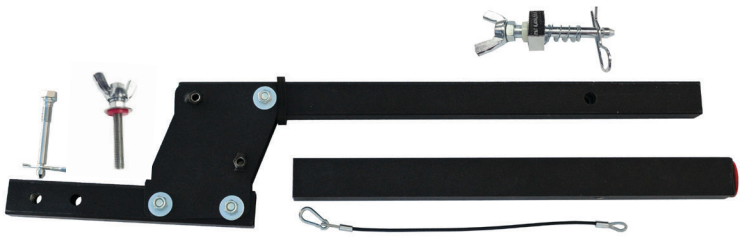
Parts List

Description	Qty
(2) WingMan V2 Assemblies, containing:	
WingMan Base Plate	2
Hat Brackets	4
Carriage Bolts & Hardware sets	8
Wing with Pads	4
Wire Lock Pin	4
Double Toggles	8
(8) Wheel Cradle Assemblies, containing:	
Wheel Cradle	8
Toggle Balls	8
Hair Pin Clip	8
U-Clip	8
Teleporter Assembly, containing	
Teleporter Shank Tube and Tilt Tube	1
Telescope Tube	1
Silent Hitch Pin® with Wing Handle	1
Silent Hitch Pin®	1
Lock (for Silent Hitch Pins)	2
Tilt Pin (wing handle)	1
Safety Cable w/ Biner	1

WingMan Assemblies



Teleporter Assembly



U.S. Patent No : D684917; 6,409,203; 6,609,725; 6,945,550; 8,079,613; patents pending

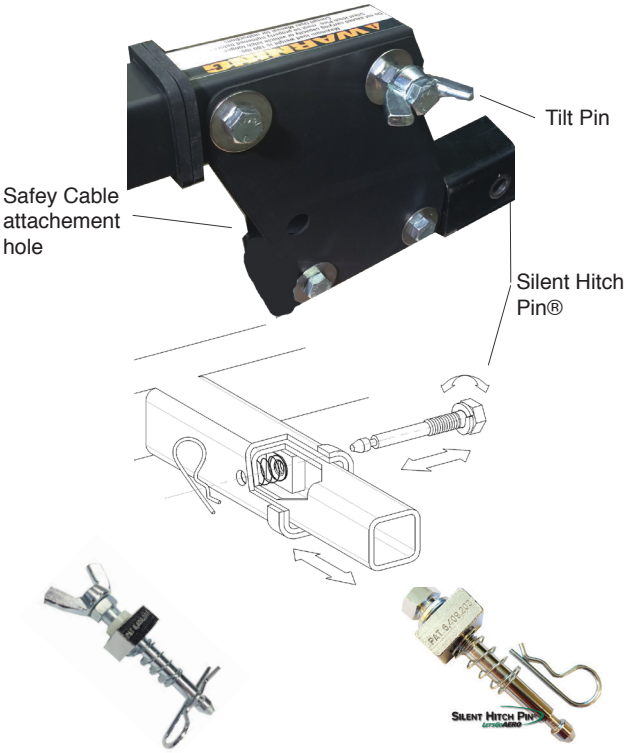
Assembly

Step 1: Installing the Teleporter Base

Position the Tilt Tube in the horizontal position and lock into place with the wing handled Tilt Pin. Lightly rub the top and side surfaces of the Tilt Tube with the included bar of parafin wax to ensure smooth telescoping action and protect the surface of the tube.

Insert the Teleporter Shank in the hitch as shown ***with the structural rise above the hitch***. Attach using the Silent Hitch Pin®, threading the Silent Hitch Pin® into the pre-installed Spring Nut in the Shank Tube. Tighten firmly with a 7/8" wrench. Apply pin clip or secure with lock.

Tip: For added bumper clearance, move Spring Nut to the other available shank hole and thread pin.



Silent Hitch Pin® for Telescope Tube location

Silent Hitch Pin® for hitch location

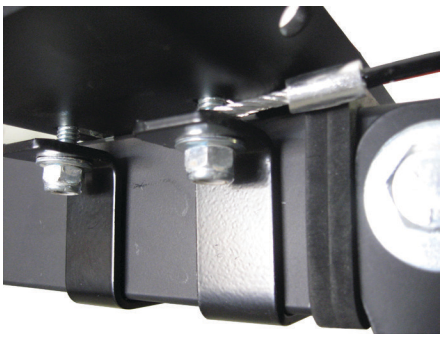
Slide the Telescope Tube onto the Tilt Tube and attach using the Silent Hitch Pin® with Wing Handle, threading into pre-installed spring nut. Apply pin clip or secure with lock. Attach the Safety Cable to the side plate with the carabiner.

IMPORTANT: For proper function in the hitch, Silent Hitch Pin® must be tightened with a wrench to 30 ft. lbs.

Step 2: Mounting the WingMan Base Plates

Attach the front WingMan base to the Teleporter using the 5/16" hardware and Hat Brackets. Position the WingMan base so it is touching the slide bumper at the front of the Telescope Tube. Attach the telescope cable loop between the forward Hat Bracket (vehicle side) and the WingMan base as shown. Tighten hardware until snug or to 18 foot pounds.

Install the rear WingMan base plate using 5/16" hardware and Hat brackets near the end of the Telescope Tube.

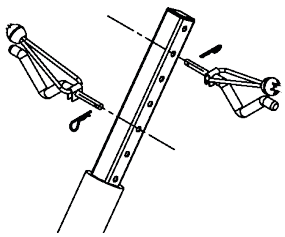


Step 3: Assemble Wings

Slide Wings into the WingMan Base pockets and secure the Wings to the Base with the Wire Lock Pins.

Step 4: Attach Wheel Cradle Assembly

Determine the approximate center-to-center distance between the hubs of the bike wheels and attach the wheel cradles to the Wings with the Hair Pin Clips to match this distance.



Operation

Securing Bicycles on Carrier

Set bike(s) on wheel cradles. Secure bike(s) to rack starting with the Wheel Toggles. Finish securing with the Double Toggles. Telescope the rack away from the vehicle before loading the rack. Load bikes, starting with the inner-most position (closest to the vehicle). Slowly move the carrier into the non-telescoped, slid-in position and secure the Handle Silent Hitch Pin® before transit.

Loading TIP: Load bicycle onto the carrier with the bicycle chain facing outward from the Wings and the inside pedal positioned downward. This helps keep chain lube off the carrier, and provides open space in the lower, center portion of the "V" for the inside pedal(s) to fit easily. Load the second bike so its handle bars face in the opposite direction of the first bicycle for clearance.

Double Toggles TIP: The Double Toggles provide a number of ways to achieve Constant Tension™ of your bicycle to the carrier, using one or both double toggles to capture the fork, chain stay, or seat stay. Loop the Toggle over the pedal, crank, or other position on bicycle, allowing the elastic feature to pull the bike both down and inward against the Wing pads. The Constant Tension™ removes both "front to back" and "side-to-side" sway, firmly seating the bicycle during transit.

V4 Teleporter Tilt Positioning

When the rack is not in use, the Teleporter can be placed in the tilted position in order to reduce the distance the rack extends from the vehicle. Remove the Wings from the Base Plate prior to tilting the Teleporter. Remove the Tilt Pin, move the Teleporter to the tilt-up position and reinsert the Tilt Pin.

The Telescope Tube can be removed and flipped upside down in order to provide rear vehicle liftgate access for most vehicles while the Teleporter is in the tilted position.

Ensuring the Tilt Pin is Snug

Verify the Tilt Pin is snug by observing it pulling the side plates together against the Telescope Tube prior to use. When the Tilt Pin is snug, the spring tension of the Side plates keeps the Tilt Pin tight. Use a 3/4" wrench or appropriate tool to tighten the Tilt Pin if necessary.

WARNING
Maximum load weight is 180 lbs.
Do not exceed carrying capacity or vehicle hitch tongue weight rating.
Silent Hitch Pins® must be properly tightened before transit.
Consult User Manual for instructions.
Side Plates
Snug

Before Transit:

- ☐ Attempt to shake the carrier to verify the carriage bolts, Tilt Pin, Silent Hitch Pin® with Handle and Silent Hitch Pin® are tight.
- ☐ Verify that the safety pins are indeed locking the Wings to the Base Pockets.
- ☐ Verify the Toggles are securing your bicycles wheels and frame to the carrier as explained earlier.

V4 BIKE CARRIER GUIDELINES

The V4 Teleporter bicycle carrier's maximum load weight is 180 lbs. Do not exceed this carrying capacity.

NEVER drive your vehicle with the Teleporter in the Telescoped position. Always secure rack using the Silent Hitch Pin® with Handle before transit.

Always make sure the Safety Cable is attached and the Silent Hitch Pins® are securely engaged before transit. A wrench MUST be used to tighten the HexHead Silent Hitch Pin® at the hitch receiver. Tighten the Silent Hitch Pin to 30 ft. lbs- 60 ft. lbs of torque (equivalent to tightening a lug nut on a car wheel).

The Safety Cable should always be attached when using the V4 Teleporter in order to prevent the V4 from sliding off the Tilt Tube when telescoping the V4 Teleporter and to prevent the Safety Cable from dragging on the ground while in transit.

Do not use this rack and accessories for purposes other than those for which they were designed. Failure to follow the guidelines of the product's instructions will void the warranty.

Keep bicycle tires away from vehicle's hot exhaust flow by at least 6 inches.

ONE-YEAR LIMITED WARRANTY

We warrant all LGA brand rack systems and its accessories manufactured by LGA during the time that an original retail purchaser owns the product. This warranty terminates if a purchaser transfers the product to any other person.

Let's Go Aero warrants this product to be free from defect in material and workmanship for one year (retain your sales receipt for your records). Any product or part thereof found to be defective within that period will be replaced without charge provided that: (1) the product was not misused; (2) no alterations or modifications were made; (3) its failure was not a result of normal wear expected in the use of the product; (4) the product or part is delivered, freight prepaid, to Let's Go Aero. Manufacturers only obligation shall be to replace such products or parts proved to be defective. A Return Merchandise Authorization is required prior to return. Please contact Let's Go Aero toll-free, at 877-464-2376 or 719-630-3800, or via email to support@letsgoaero.com to get an RMA number.

No warranty is given for LGA products purchased outside of the United States and Canada.

VeeMe™ Bicycle Carriers™
LET'S GO AERO

For Customer Service, contact Let's Go Aero:

2120 Naegele Road, Colorado Springs, CO 80904
Phone: 877-464-2376 or 719-630-3800
Email: Support@LetsGoAero.com.

Learn about our line of trailers, hitch carriers. and other cargo management solutions at www.LetsGoAero.com

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